

PATENT ABSTRACTS OF JAPAN

(11)Publication number :

2002-095291

(43)Date of publication of application : 29.03.2002

(51)Int.Cl.

H02P 7/74

H02P 6/04

(21)Application number : 2000-277621

(71)Applicant : NISSAN MOTOR CO LTD

(22)Date of filing : 13.09.2000

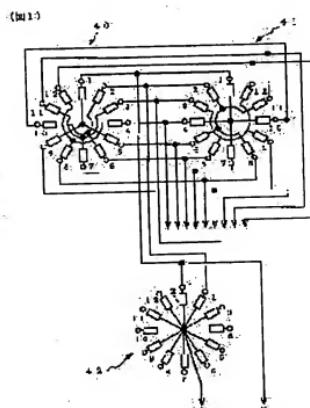
(72)Inventor : NAKANO MASAKI

(54) DRIVE CIRCUIT FOR COMPOSITE MOTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a drive circuit for a composite motor which can suppress the occurrence of torque ripple, noise, vibration, etc., in case that wire breaking or fault in a circuit element occurs in the composite motor.

SOLUTION: This is a drive circuit for a composite motor which has two rotors different in the number of the pairs of poles and stators confronting the several rotors, and in which the numbers of the electric poles of the coils provided in the several stators are made the same. The neutral point in the coil of each stator is divided into plural points, and they are connected with one another so that the current in the phase correlative with the self rotor may flow, and that the phases where the currents do not flow with the other side in the same phase may be collected as one neutral point. The circuit is equipped with a means 42 which detects the potential of the virtual neutral point of the coil of each stator stated above, and a means which detects the potential of the neutral point of the inverter circuit for sending out the drive power of the above composite motor. The above inverter circuit is driven in the direction of lessening the above difference according to the difference of potential between the detected two neutral points stated above.



LEGAL STATUS

[Date of request for examination]

30.10.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3555570

[Date of registration] 21.05.2004

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]